Date Collected: **09/27/2025** Date Received: **09/27/2025** Date Reported: **10/16/2025** Fasting: **No**

Ordered Items: **IFE, PE and FLC, Serum; Urinalysis, Routine w/Rfx; PFASure(R) FT, Serum/Plasma; Fe+TIBC+Fer+B12+Folic+Retic; Selenium, Urine; Chromogranin A; LDH; Ceruloplasmin; Copper, Serum or Plasma; Selenium, Serum/Plasma; Venipuncture; Sent to Reference Lab**

Date Collected: **09/27/2025**

IFE, PE and FLC, Serum

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
.[01]				
IFE and PE, Serum[01]				
Immunoglobulin G, Qn, Serum[01]	677	627 05/22/2025	mg/dL	603-1613
Immunoglobulin A, Qn, Serum[01]	122	101 05/22/2025	mg/dL	90-386
Immunoglobulin M, Qn, Serum[01]	37	35 05/22/2025	mg/dL	20-172
Protein, Total[01]	6.4	6.2 05/22/2025	g/dL	6.0-8.5
Albumin[01]	3.9		g/dL	2.9-4.4
Alpha-1-Globulin[01]	0.2		g/dL	0.0-0.4
Alpha-2-Globulin[01]	0.7		g/dL	0.4-1.0
Beta Globulin[01]	1.0		g/dL	0.7-1.3
Gamma Globulin[01]	0.6		g/dL	0.4-1.8
M-Spike[01]	Not Observed		g/dL	Not Observed
Globulin, Total	2.5		g/dL	2.2-3.9
A/G Ratio	1.6			0.7-1.7
Immunofixation Result, Serum[01]	No monoclonality detected.			
Please note:[01]	Protein electrophoresis scan will follow via computer, mail, or courier delivery.			
PDF[01]	.			
Free Kappa Lt Chains,S[01]	8.3		mg/L	3.3-19.4
Free Lambda Lt Chains,S[01]	7.3		mg/L	5.7-26.3
Kappa/Lambda Ratio,S[01]	1.14			0.26-1.65

Urinalysis, Routine w/Rfx

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Urinalysis Gross Exam[01]				
Specific Gravity[01]	1.018			1.005-1.030
pH[01]	7.5			5.0-7.5
Urine-Color[01]	Yellow			Yellow
Appearance[01]	Clear			Clear
▶ **WBC Esterase**[01]	**Trace** **Abnormal**			Negative
Protein[01]	Trace			Negative/Trace
Glucose[01]	Negative			Negative

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Date Collected: **09/27/2025**

Urinalysis, Routine w/Rfx (Cont.)

	Ketones [01]	Negative			Negative
	Occult Blood [01]	Negative			Negative
	Bilirubin [01]	Negative			Negative
	Urobilinogen,Semi-Qn [01]	0.2		mg/dL	0.2-1.0
	Nitrite, Urine [01]	Negative			Negative
	Microscopic Examination [01]	See below:			
		Microscopic was indicated and was performed.			
▶	**WBC** [01]	**11-30**	**Abnormal**	/hpf	0-5
	RBC [01]	0-2		/hpf	0-2
	Epithelial Cells (non renal) [01]	None seen		/hpf	0-10
	Casts [01]	None seen		/lpf	None seen
	Bacteria [01]	None seen			None seen/Few

PFASure(R) FT, Serum/Plasma

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
PFHxA [02]	None Detected		ng/mL	
	Reporting Limit: 0.10 ng/mL Synonym(s): Perfluorohexanoic Acid General U.S. population from CDC-NHANES (2017-2018) (n=1929) is typically below 0.10 ng/mL (95th percentile) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)			
PFBS [02]	None Detected		ng/mL	
	Reporting Limit: 0.10 ng/mL Synonym(s): Perfluorobutane Sulfonic Acid General U.S. population from CDC-NHANES (2013-2014) (n=2168) is typically below 0.10 ng/mL (95th percentile) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)			
PFHpA [02]	None Detected		ng/mL	
	Reporting Limit: 0.10 ng/mL Synonym(s): Perfluoroheptanoic Acid General U.S. population from CDC-NHANES (2013-2014) (n=2168) is typically below 0.20 ng/mL (95% CI, 0.10-0.20 ng/mL) (95th percentile) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)			
ADONA [02]	None Detected		ng/mL	
	Reporting Limit: 0.10 ng/mL Synonym(s): 4,8-Dioxa-3H-perfluorononanoate; Dodecafluoro-3H-4,8-dioxanonanoate General U.S. population from CDC-NHANES (2017-2018) (n=1929) is typically below 0.10 ng/mL (95th percentile) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)			
Branched PFOA Isomers [02]	None Detected		ng/mL	

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PFASure(R) FT, Serum/Plasma (Cont.)

		Reporting Limit: 0.10 ng/mL Synonym(s): Perfluorooctanoic Acid (PFOA) branched isomers; Sb-PFOA General U.S. population from CDC-NHANES (2017-2018) (n=1929) is typically below 0.20 ng/mL (95% CI, <0.10-0.20 ng/mL) (95th percentile) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)	
Linear PFOA Isomer [02]	1.0	Reporting Limit: 0.10 ng/mL Synonym(s): n-PFOA; n-Perfluorooctanoic Acid (PFOA) linear isomer General U.S. population from CDC-NHANES (2017-2018) (n=1929) is typically below 3.7 ng/mL (95% CI, 3.1-5.0 ng/mL) (95th percentile) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)	ng/mL
Total PFOA Isomers [02]	1.0	Synonym(s): Sum of linear and branched Perfluorooctanoic Acid (PFOA) isomers General U.S. population from CDC-NHANES (2017-2018) (n=1929) is typically below 3.77 ng/mL (95% CI, 3.17-5.07 ng/mL) (95th percentile) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)	ng/mL
PFHxS [02]	0.77	Reporting Limit: 0.10 ng/mL Synonym(s): Perfluorohexane Sulfonic Acid General U.S. population from CDC-NHANES (2017-2018) (n=1929) is typically below 3.7 ng/mL (95% CI, 3.3-5.6 ng/mL) (95th percentile) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)	ng/mL
PFNA [02]	0.11	Reporting Limit: 0.10 ng/mL Synonym(s): Perfluorononanoic Acid General U.S. population from CDC-NHANES (2017-2018) (n=1929) is typically below 1.4 ng/mL (95% CI, 1.1-1.8 ng/mL) (95th percentile) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)	ng/mL
PFDA [02]	None Detected	Reporting Limit: 0.10 ng/mL Synonym(s): Perfluorodecanoic Acid General U.S. population from CDC-NHANES (2017-2018) (n=1929) is typically below 0.60 ng/mL (95% CI, 0.50-0.90 ng/mL) (95th percentile) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)	ng/mL
Branched PFOS Isomers [02]	0.38	Reporting Limit: 0.10 ng/mL Synonym(s): Perfluoromethylheptane Sulfonic Acid (PFOS) branched isomers; Sm-PFOS	ng/mL

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PFASure(R) FT, Serum/Plasma (Cont.)

	General U.S. population from CDC-NHANES (2017-2018) (n=1929) is typically below 4.5 ng/mL (95% CI, 3.8-5.4 ng/mL) (95th percentile) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)	
Linear PFOS Isomer [02]	0.90 Reporting Limit: 0.10 ng/mL Synonym(s): n-PFOS; n-Perfluorooctane Sulfonic Acid (PFOS) linear isomer Comment: Substance(s) known to interfere with the identity and/or quantity of the reported result: 1-Methyl-PFHpS General U.S. population from CDC-NHANES (2017-2018) (n=1929) is typically below 10.4 ng/mL (95% CI, 9.4-12.0 ng/mL) (95th percentile) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)	ng/mL
Total PFOS Isomers [02]	1.2 Synonym(s): Sum of linear and branched Perfluorooctane Sulfonic Acid (PFOS) isomers General U.S. population from CDC-NHANES (2017-2018) (n=1929) is typically below 14.6 ng/mL (95% CI, 13.1-16.5 ng/mL) (95th percentile) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)	ng/mL
PFHpS [02]	None Detected Reporting Limit: 0.10 ng/mL Synonym(s): Perfluoroheptane Sulfonic Acid General U.S. population from CDC-NHANES (2017-2018) (n=1929) is typically below 1.0 ng/mL (95% CI, 0.50-4.60 ng/mL) (95th percentile) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)	ng/mL
PFUnDA [02]	None Detected Reporting Limit: 0.10 ng/mL Synonym(s): PFUA; Perfluoroundecanoic Acid General U.S. population from CDC-NHANES (2017-2018) (n=1929) is typically below 0.40 ng/mL (95% CI, 0.30-0.50 ng/mL) (95th percentile) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)	ng/mL
MeFOSAA [02]	None Detected Reporting Limit: 0.10 ng/mL Synonym(s): 2-(N-Methyl-perfluorooctane sulfonamido) Acetic Acid; Me-PFOSA-AcOH General U.S. population from CDC-NHANES (2017-2018) (n=1929) is typically below 0.60 ng/mL (95% CI, 0.50-0.70 ng/mL) (95th percentile) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)	ng/mL
PFDoDA [02]	None Detected Reporting Limit: 0.10 ng/mL Synonym(s): PFDoA; Perfluorododecanoic Acid	ng/mL

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PFASure(R) FT, Serum/Plasma (Cont.)

	General U.S. population from CDC-NHANES (2015-2016) (n=1993) is typically below 0.10 ng/mL (95th percentile) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)		
PFOSA [02]	None Detected Reporting Limit: 0.10 ng/mL Synonym(s): Perfluorooctane Sulfonamide General U.S. population from CDC-NHANES (2011-2012) (n=1904) is typically below 0.10 ng/mL (95th percentile) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)		ng/mL
NASEM Summation Value [02]	3.1 The National Academies of Science, Engineering, and Medicine (NASEM) recommends the following clinical guidance related to an additive sum value for MeFOSAA, PFHxS, PFOA (linear and branched isomers), PFDA, PFUnDA, PFOS (linear and branched isomers), and PFNA in serum or plasma: Adverse health effects related to PFAS exposure are not expected at less than 2 ng/mL. There is a potential for adverse effects, especially in sensitive populations, between 2 and 20 ng/mL. There is an increased risk of adverse effects at greater than 20 ng/mL. Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the US Food and Drug Administration. Digital data review may have taken place remotely by qualified NMS staff utilizing a secure VPN connection for some or all of the reported results. This is in accordance with and follows CLIA regulations.		ng/mL

Fe+TIBC+Fer+B12+Folic+Retic

	Test	Current Result and Flag		Previous Result and Date		Units	Reference Interval
▲	**Vitamin B12** [01]	**1528**	**High**	**1466**	05/22/2025	pg/mL	232-1245
	Folate (Folic Acid), Serum [01]	10.7		>20.0	05/22/2025	ng/mL	>3.0
	Note: [01] A serum folate concentration of less than 3.1 ng/mL is considered to represent clinical deficiency.						
▼	**Ferritin** [01]	**25**	**Low**	43	05/22/2025	ng/mL	30-400
	Reticulocyte Count [01]	1.8				%	0.6-2.6
	Iron Bind.Cap.(TIBC)	364		310	05/22/2025	ug/dL	250-450
	UIBC [01]	304		263	05/22/2025	ug/dL	111-343
	Iron [01]	60		47	05/22/2025	ug/dL	38-169
	Iron Saturation	16		15	05/22/2025	%	15-55

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Date Collected: **09/27/2025**

Selenium, Urine

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Creatinine [02]	1573 Reporting Limit: 100 mg/L U.S. Population (10th - 90th percentiles, median) All participants: 335-2370 mg/L, median 1180 (n=22,245) Males: 495-2540 mg/L, median 1370 (n=10,610) Females: 273-2170 mg/L, median 994 (n=11,635) Analysis by Colorimetry (C)		mg/L	
Selenium [02]	22 Reporting Limit: 20 mcg/L Normally: Up to approximately 200 mcg/L. Concentrations are diet dependent. Analysis by Inductively Coupled Plasma/Mass Spectrometry (ICP/MS)		mcg/L	
Selenium(Creatinine corrected) [02]	14 Reporting Limit: 12 mcg/g Creat Analysis by Inductively Coupled Plasma/Mass Spectrometry (ICP/MS) Specimens for elemental testing should be collected in certified metal-free containers. Elevated results for elemental testing may be caused by environmental contamination at the time of specimen collection and should be interpreted accordingly. It is recommended that unexpected elevated results be verified by testing another specimen in a trace metal free container. This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the US Food and Drug Administration. Digital data review may have taken place remotely by qualified NMS staff utilizing a secure VPN connection for some or all of the reported results. This is in accordance with and follows CLIA regulations.		mcg/g Creat	

Chromogranin A

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
▲ **Chromogranin A** [03]	**183.1** **High** Chromogranin A performed by Thermofisher/BRAHMS KRYPTOR methodology Values obtained with different assay methods or kits cannot be used interchangeably.		ng/mL	0.0-101.8

LDH

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
LDH [01]	206		IU/L	121-224

Ceruloplasmin

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Ceruloplasmin [01]	17.8		mg/dL	16.0-31.0

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Date Collected: **09/27/2025**

Copper, Serum or Plasma

Test	Current Result and Flag		Previous Result and Date		Units	Reference Interval
▼ **Copper, Serum or Plasma** A, 03	**66**	**Low**	**68**	06/15/2021	ug/dL	69-132
			Detection Limit = 5			

Selenium, Serum/Plasma

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Selenium, Serum/Plasma A, 03	113		ug/L	93-198

Previous Result
The Previous Result is listed for the most recent test performed by Labcorp in the past 5 years where there is sufficient patient demographic data to match the result to the patient. Results from certain tests are excluded from the Previous Result display.

Icon Legend
▲ Out of Reference Range ■ Critical or Alert

Footnotes/Disclaimers
A: This test was developed and its performance characteristics determined by Labcorp. It has not been cleared or approved by the Food and Drug Administration.

Performing Labs
01: CB - Labcorp Dublin, 6370 Wilcox Road, Dublin, OH 43016-1269 Dir: Vincent Ricchiuti, PhD
02: NMSPA - National Med Services, 200 Welsh Road, Horsham, PA 19044-2208 Dir: Robert Middleberg, PhD
03: BN - Labcorp Burlington, 1447 York Court, Burlington, NC 27215-3361 Dir: Sanjai Nagendra, MD
For inquiries, the physician may contact Branch: 205-581-3600 Lab: 800-282-7300

Patient Details
Fouts, John R
2321 GLENMARY AVE APT 2, LOUISVILLE, KY, 40204

Phone: **502-956-0052**
Date of Birth: **01/31/1979**
Age: **46**
Sex: **Male**
Patient ID:
Alternate Patient ID:

Physician Details
J VAUGHN
Medhelp - 280 East
4600 Highway 280, Birmingham, AL, 35242

Phone: **205-408-1231**
Account Number: **01810560**
Physician ID:
NPI: **1639303506**

Specimen Details
Specimen ID: **270-305-3919-0**
Control ID: **40196793268**
Alternate Control Number:
Date Collected: **09/27/2025 1427 Local**
Date Received: **09/27/2025 0000 ET**
Date Entered: **09/27/2025 1454 ET**
Date Reported: **10/16/2025 1709 ET**

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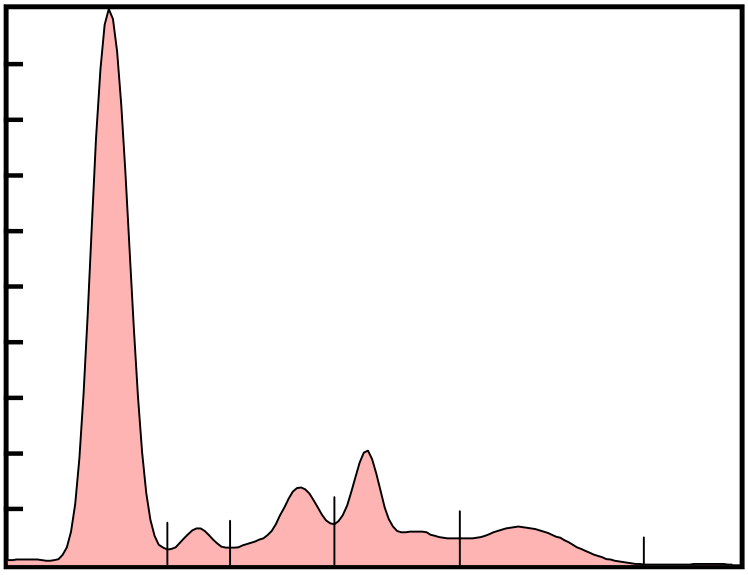
Laboratory Corporation of America
Special Chemistry Department
Dublin, OH

Serum Protein Electrophoresis

Split BetaSerum Proteins Gel 000623074798 Sample 17 09/29/2025 12:19:58:16

Accession Number	**270305391902**	Physician ID	**VAUGHN J**
Patient Name	**FOUTS, JOHN**	Account Address 1	
Total Protein	**6.4**	Account Address 2	**4600 Highway 280**
Birthdate	**1/31/1979**	Account Address 3	**Birmingham, AL 35242**
Account No./Name	**01810560-Medhelp - 280...**		



Fraction	%	g/dl	g/dl Range	
Albumin	60.2	3.9	2.9 to	4.4
Alpha 1	3.8	0.2	0.0 to	0.4
Alpha 2	11.2	0.7	0.4 to	1.0
Beta	15.4	1.0	0.7 to	1.3
Gamma	9.5	0.6	0.4 to	1.8
Total Protein		6.4	6.0 to	8.5

Ratio	
A/G	1.5

Comments